

Conjugated Reactions for the Addition of Halogens
to Olefins. IV. Preparation of the β -Haloethyl Ester
of Formic, Acetic, Chloroacetic and Trichloroacetic
Acids, A. I. Titov, F. L. Maklyev, V. G. Kuzmin, 4 p

RUSSIAN, no per, Zhur Obshch Khim SSSR, Vol XXV,
No 4, Apr 1955, pp 744-746. CIA C 39500

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Scientific - Chemistry
Nov 55 CTS/DEX

28 588

The Effect of Nitrogen Dioxide on Benzene, Toluene,
and Chlorobenzene, I. ~~With~~ Nitration With Nitrogen
Dioxide in the Presence of Sulfuric And Phosphoric
Acids, by A. I. Titov, A. N. Baryshnikova, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, ~~Vol~~ No 6, 1936,
pp 1801-~~19~~ 1805.

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IAC Internal Use Only

Scientific - Chemistry

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Nitration of Benzaldehyde and Nitro Derivatives of
Benzene, Toluene, and Chlorobenzene With Nitrogen
Peroxide; Communication IV, by A. I. Titov, 10 pp.

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~~GERMAN~~ per, Zhur Obshch Khim, No 3/4, pp 667-672.

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Scientific - Chemistry

Jul 55 CTS

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The Effect of Nitrogen Peroxide on Benzene, Toluene, and Chlorobenzene; III. Nitration by Nitrogen Peroxide in the Presence of Aluminum Chloride, Phosphorus Pentachloride and Mercuric Nitrate, by A. I. Titov, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, N Vol VII, No 3/4, pp 591-594.

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Scientific - Chemistry

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The Influence of Complex-Formation, Ionization,
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Chemical Activity during Nitration; the Synthesis of
Phenyltrinitro-Methane and its Properties, by
A. I. Titov, V. V. Smirnov, 5 pp UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXIII,
No 2, 1952, pp 243-246,

Handwritten: 15,354
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Sci Tr Center
RT-1040

Scientific

A New Method for the Introduction of Fluorine Into
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Baryshnikova, 1 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
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The Mechanism of Methylation of α -Aminopyridine
According to Leuckart, and the Condensation
of Dimethylaminopyridine With Formaldehyde, by
A. I. Titov, A. N. Baryshnikova, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
No 2, 1953, pp 290-294.

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TITOV, A. I.

Theory of the Nitration of Saturated Hydrocarbons and
their Derivatives. VI. Nitration in the Side Chains
of x- and m-Xylols and Mesitylene

Zhur Obshch Khim, Vol XIX, No 2, 1949 (Feb), pp 221-
228

Consultants Bureau Translation

A12039

The Mechanism of Nitration of Aromatic Compounds
with Nitric Acid. III. Nitration of Benzene with
Dilute Nitric Acid, by A.I. Titov, and A.M. Baryshnikova
2 pp.

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Aug 1952, pp 1335-1337.

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Feb 54 CTB

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Discussion Concerning Papers, by A. I. Titov, F. L. Maklyaev, & by E. A. Shilov, 3 pp.

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The Mechanism of the Nitration of the Aromatic Compounds of Nitric Acid. II. Relative Electron Potentials in Aromatic Compounds. Mechanism of the Nitration of the Nitrophenols

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A12041

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Feb 54 CTB

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Nitration of Saturated Hydrocarbons and Their
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Phenyl-Nitro-methane, by A. I. Titov, 10 pp.
Full Translation.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XVIII, No 3,
Moscow, Mar 1948, pp 473-478.

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Scientific - Chemistry

A12043

Sci Res

TITOV, A. I., and LAPTEV, N. G. ,/Inst of Organic
Intermediates and Dyes imeni K. E. Voroshilov

Mechanism of the Catalytic Nitration of Aromatic
Compounds in the Presence of Mercury Salts. II.
General Theory of the Reaction. Reaction of Mercurio-
Aromatic Compounds with Nitric Acid

Zhur Obshch Khim, Vol XIX, No 2, 1949 (Feb), pp 229-
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Consultants Bureau Translation

A6678

Sci/Chem

The Nitration of n-Pentane With Nitrogen Dioxide in the
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RUSSIAN, no per, Zhur Obshch Khim, Vol XIX, No 8, Aug 1949.

CIA/FDD/X-381

A 12044

Oct cts

USSR Sci/Chem

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The Nitration of n-Heptane and 2,7-Dimethyloctane With
Nitric Acid, by A. I. Titov, 3 pp.

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CIA/FDD/X-379

A12045

Oct cts

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The Nitration of 2,7-Dimethyloctane by Nitrogen Dioxide,
by A. I. Titov, 3 pp.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XIX, No 8, Aug 1949.

CIA/FDD/X-378

A 12046

Oct dts

Effect of Structure of Olefins on Their Activity in
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Titov, I. A. Livshits, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 5,
1959, 1605-1611.

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Jul 60

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Bicylindrical Objective for Spectral Time
Scans With the Aid of an Electron-optical
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5pp.

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1963, pp129-132.

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Sci-Electron
Dec 63

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TITOV, A. V., Dept of Inorg Chem of the Ivanovsk Chem-
Tech Inst

Complex Compounds Containing Magnesium Chloride in
Aqueous Solution

Zhur Obshch Khim, Vol XIX, No 3, 1949 (Mar), pp 409-
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Consultants Bureau Translation

A 12048

Physicochemical Analysis of the Nitric Acid -
Acetic Acid System. Atomic Concentration and
Corrosive Properties of the System, by A. V.
Titov, 3 pp.

Full translation

RUSSIAN, per, Zhur Obshch Khim, Vol XXIV, No 1,
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CTB 66/Mar 55

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Quinone Oxime-Arenesulfenates, by E. A. Titov,
S. I. Burmistov, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 8,
1961, pp 2721-2725.

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Jul 62

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The Indophenol Reaction of N-Arenesulfonylquinone
Imines, by E. A. Titov, S. I. Burmistrov, 5 pp.

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May 61

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N-Aryl Sulfonylquinonimines, by S. I. Burnistrov
and E. A. Titov, 5 pp.

Full translation

RUSSIAN, no per, ~~Zhur~~ ⁴ ~~Obshch Khim.~~ Vol XXII, No 6,
Jun 1952, pp 999-1003.

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Serious Lesson, by F. Titov, 4 pp.

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JPRS 8389

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Study of the Solubility of Titanium and the Phase
Composition of Alloys in the System Nickel-Chromium-
Tungsten-Aluminium-Titanium, by I. I. Kornilov, A. Ya.
Snetskoy, F. M. Titov, 7 pp. UNCLASSIFIED

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Tr 57/4181

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Apr 58

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The Glass Parts of Polarographic Apparatus, by
S. G. Mairanova kiy, F. S. Titov, 3 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 1, 1960,
pp 121-123.

CB

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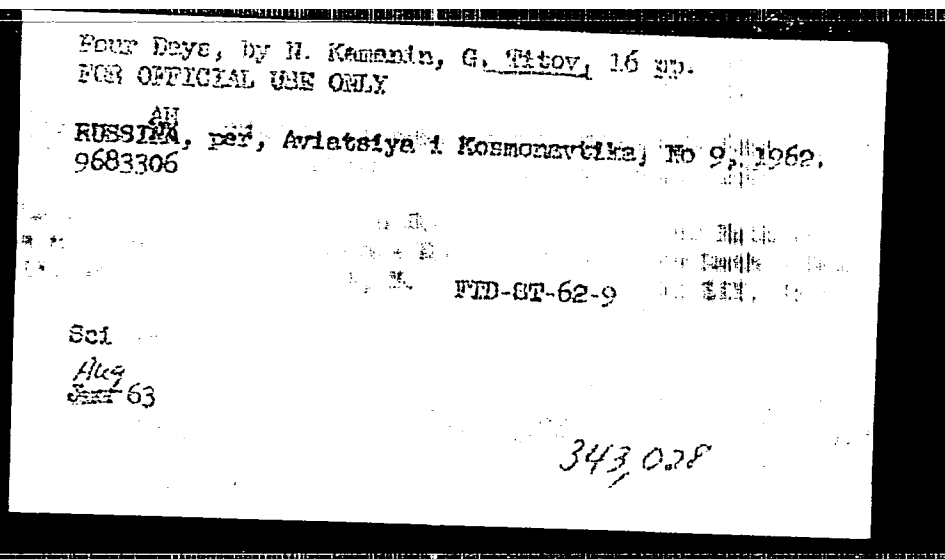
The Glass Parts of Polarographic Apparatus, by
S. G. Mairanova kiy, F. S. Titov, 3 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 1, 1960,
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Kosmose) tr. by J. W. Palmer. Dec 61 [7p] RAE

Library Trans. no. 979.

Order from OTS, SLA, or ETC \$1.10 TT-63-24342

Trans. of Priroda (USSR) 1961 [v. 50] no. 11, p. 8-9.

DESCRIPTORS: *Scientific satellites, Manned space-
craft, Aerial photographs, Earth.

(Engineering--Satellite Vehicles, TT, v. 11, no. 3)

TT-63-24342

- I. Titov, G.
- II. RAE Trans-979
- III. Royal Aircraft Establish-
ment (Gt. Brit.)

11. 3. 1971

Office of Technical Services

700,000 Kilometers into the Cosmos, by G. Titov.

RUSSIAN, np, Pravda, 20 Aug 61.

FTD-TT-61-477

Sci-Space Res
Dec 62

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700,000 Kilometers into the Cosmos, by G. Titov.

RUSSIAN, np, Pravda, No 238(15728), 25 Aug 61, p 2.

FTD-TT-61-477

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In Order to Become a Cosmonaut, by V. Parin,
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1963. 9692612-V

FTD-ST-63-10

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700,000 Kilometers into the Cosmos, by G. Titov.

RUSSIAN, np, Pravda, No 235(15725), 22 Aug 61, p 2.

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Sci-Space Res
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Foreign Language Publishing House

AVIATION AND SPACE, BY G. TITOV, LO. PP.

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FTD-ST-61-11

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Seven Hundred Thousand Kilometers in the Cosmos,
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RUSSIAN, bk, 700 Tisyach Kilometrov v Kosmose, 1961,
191 pp 967 646 L-V

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Sci - Space Res
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German Titov.

RUSSIAN, bk

Foreign Languages Pub House

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Sep 64

Toward New Successes in Study of Outer Space, by
G. S. Titov, 20 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXXII, .
No 7, 1962, pp 10-18. 9566834

FTD-TT-62-1189

Sci - Space Res
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LIL 871

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OFFICIAL USE ONLY

RUSSIAN, per, Vest Voz Flota, No 10, 1961.
9677115

FTD-ST-61-9

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The New Front of Soviet People, by G. S.
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RUSSIAN, par, Vest Svyazi, No 9,
1961.

JPRS 11490

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Jan 62

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Additional Data on the Record Flight of Soviet
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Engr. Konshtantinov, 23 pp.

RUSSIAN, bk, Dopolnitel'nyye Materialy k
Rekordnomy Delu, pp 23. 9676230

FTD-TT-62-489

Sci - Space Res

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Apr62

Earth Cosmos, by G. Titov, 28 pp.
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In a Complicated Situation: Training in Anti-
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Full Tr

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3 Apr 1957, p 2. CIA 604402.

1710 F-TS-9290/III
AF 1134130
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TRON, I. A.
THE DESIGNING OF (MARINE) PROPELLERS WITH
AEROFONL SECTIONS, tr. by E. R. Hope. June 61, 7p.
DSIS T 554 R. AD-206 507
Order from NRCC

NRCC C-3735

Trans. of Sudostroenie (USSR) 1958 (v. 24) no. 3(165)
p. 10-10.

DESCRIPTORS: *Marine propellers, Design, *Airfoils,
Propeller blades, Cavitation, Model tests, Ship models,
Hydrodynamics.

(Engineering--Ship Building, TT, v. 7, no. 7)

61-25545

I. TRON, I. A.
II. DSIS-T-354-R
III. NRCC C-3756
IV. Directorate of Scientific
Information Services
(Canada)
V. AD-206 507

197260

Office of Technical Services

The Designing the [Marine] Propellers With
Aerofoil Sections, by I. A. Titov, 7 pp.

Sudostroyeniye
RUSSIAN, per, Shipbuilding, No 3 (185), 1958,
pp 10-16. 9095848

NLL M. 4604
Amer Metcorol Soc X-R-294

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Sci - Engr
Oct 16 61

Effect of Mineral Matter on the Process of
Formation of Coals and on Their Chemical and
Technological Properties, by I. G. Titov, N. F.
Fedorovskaya, et al, 13 pp.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 9,
1954, pp 115-123.

SLA 59-15043

Sci - Chemistry
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Effect of Mineral Matter on the Process of
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N. P. Fedorovskaya, 13 pp.

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RUSSIAN, per, Ak Nauk SSSR, Otdel Tekh Nauk,
No 2, 1954, pp 115-123.

SLA 59-15043

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Vol 2, No 4

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Titov, L. F., ed. WIND WAVES (Vetrove Volny) tr. by M. Slessers. 1962 [228]p. 152 refs. HO Trans-134. Order from OTS or SLA \$18.00 Trans. of Akademiya Nauk SSSR. Okeanograficheskaya Komissiya. Trudy, 1960, v. 9, 203p. DESCRIPTOR S: *Water waves, *Ocean waves, *Lake waves, *Wind, Field theory, Mathematical analysis, Statistical analysis, Spectrographic analysis, *Ships, Oceanographic vessels, *Oceanographic equipment, *Aerial photography, Structures, Impact shock, Atlantic Ocean. Contents: Foreword Basic problems of studying wind waves and methods of their solution, by L. F. Titov Application of the equation of the field of wind waves for (Earth Sciences--Oceanography, TT, v. 9, no. 9)(over)	62-33084 I. Titov, L. F. II. HO Trans-134 III. Navy Hydrographic Office, Washington, D. C. 4866870 Office of Technical Services
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Technical Progress in the Chemical Industry and Material
Incentive, by M. Elav, B. Lagoda, 6 pp.
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JPRS 23454

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Titov, M. B.

WELTMANN REACTION AND SERUM PROTEINS
(Reaktsiya Vel'tmana i Reki Svyorotki) tr. by Tatiana
Boldyrov. 3 Nov 61, 5p. 4 refs.
Order from OTS or SLA \$1.10

62-13509

Trans. of Terap[evticheski] Arkh[iv] (USSR) 1959,
v. 31 [no. 11] p. 75-77.

DESCRIPTORS: *Liver, Pathology, *Biochemical tests,
Blood, Coagulation, Plasma proteins, Diagnosis.

While conducting our studies on the functional condi-
tion of the liver on 102 patients with acute dysentery,
we tried to compare the results of quantitative analy-
sis on protein fractions of blood serum with the
Weltmann's reaction. (Author)

(Biological Sciences--Pathology, TT, v. 8, no. 3)

62-13509

I. Title: Weltmann's coagula-
tion band

I. Titov, M. B.
II. Naval Medical School,
Bethesda, Md.

211996

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(DC-2800/11).

In One House Administration, by M. Titov, 3 pp.

RUSGLAN, np, Sovet Patriot, 2 Dec 1959, p 2.

JPRS 3094

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(DC-2800/2)

The Rifle Platoon Attacks, by Col M. Titov,
7 pp.

RUSSIAN, per, Voyennyye Znaniya, No 11, Moscow,
1958, pp 14-15.

JPRS-797-D

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Meltmann Reaction and Serum Proteins, by M. B.
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pp 75-77.

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Alcohols of the Cyclopropane Series Under the
Influence of Mineral and Organic Acids. VII. Methyl-
Cyclopropyl-Phenylethynylcarbinol and Methyl-
Cyclopropyl-Acetylcarbinol and Their Stability in
Acid Medium, by T. A. Pavorskaya, K. A. Kononova,
M. I. Titov, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9,
1959, pp 2894-2899.

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(NY-5075)

Experience in Filling Unscheduled Transit-Call
Orders at Interurban Telephone Exchanges, by
H. K. Titov, 6 pp.

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JPRS 7015

Sci

Aug 61

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(IN-0003)

The Experience of Communist-Labor Brigades and
Shock Workers - To All Communication Workers,
by M. K. Titov, I. A. Buzgan, 5 pp.

RUSSIAN, per, Vest Y Svyazi, No 8, 1961.

JPRS R 10979

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(NY 4856)

Increasing the Role of Production Laboratories in
Improving, Automating, and Mechanizing Communications
Facilities, by B. S. Zakharov, M. K. Titov, 11 pp.

RUSSIAN, per, Vozdukh Svyazi, No 8, 1959.

JPRS 5999

Sci

Feb 61

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Chemistry in CEMA Mutual Trade Countries,
by N. Titov, 10 pp.
RUSSIAN, par. Vostochny Torgov, No 5, 1964, pp 11-12.
JPRS 26029

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Sep 64

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R-252/63

On the Way to the Fast Development of Chemistry, by
N. Titov. DC-8776

RUSSIAN, ^{NP}~~Per~~, Ekono Gazeta, No 25 (96), ^{22 Jun}1963, pp 33.

*JPRS

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Sci - Chem

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Application of the Ca Method in the Absolute
Age Determination of Sylvites, by N. I.
Polevaya, N. E. Titov, V. S. Belyayev, V. D.
Sprintsson, 10 pp.

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May 60

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Radioactive Isotopes of the Rare Earths Formed in
a Spallation Reaction, by G. M. Gorodinskiy, A. N.
Murin, V. N. Pikrovskiy, B. K. Preobrazhenskii,
N. E. Titov, 5 pp.

RUSSIAN, thrice-monthly, Dok Ak Nauk SSSR,
Vol CXII, 1957, pp 405, 406.

AEC Tr 3038

Sch - Physics
Oct 57

54, 283

First Experience With the Application of the
Argon Method for the Determination of the Age of
Minerals, by E. K. Gerlin, G. M. Ermolin, N. V.
Baranovskaya, N. E. Titov. 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXVI, No 3, 1952, pp 593-595.

Assoc Tech Sv
Tr 45H12R

May 58

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61-18210

I. Titov, N. G.

Titov, N. G.
QUANTITATIVE REMOVAL OF TETRAETHYL LEAD
FROM MOTOR FUELS. [1961] 5p. 1 ref.
Order from OTS or SLA \$1.10 61-18210

Trans. of Akademiya Nauk SSSR. Otdelenie
Tekhnicheskikh Nauk. Izvestiya, 1944, p. 690-694.

DESCRIPTORS: *Gasoline, Chemical analysis, *Lead
compounds, *Ethyl radicals, Quantitative analysis.

A method of complete removal of tetraethyllead from
gasoline is outlined which is also suitable for gravi-
metric and volumetric analysis. It consists in
heating the sample with four volumes glacial acetic
acid at 75-80° for 3 hours, washing out the acetic acid
with water, evaporating the aqueous acetic acid to
dryness and converting the lead acetate into a sulfate
or concentrating the acetic acid solution and titrating

Office of Technical Services

(Materials--Fuels, TT, v. 6, no. 6)

(over)

Some Properties of Coals Dangerous Because of
Sudden Blowouts, by N. G. Titov, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CI, No 2,
1955, pp 327-329.

Dept of Interior
US Geological Survey
Denver Branch Library
Denver, Col

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Jan 61

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Vinylation of Coal From the Moscow Region, by
M. F. Shostakovsky, N. G. Titov, R. N. Smirnov,
6 pp.

Full tr

RUSSIAN, no per, Zhur Prikl Khim, Vol XXIX, No 3, 9
1956, pp 463-467. CIA 9000995-C, Reel No 42

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Sci- Chemistry
Nov 56 CTS

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The Effect of Inorganic Materials During the Formation
of Solid Fuels, by N. G. Titov

FRENCH, Communications to the IV International Congress
for Industrial Heating, Paris, 1952, pp 91-101; French
translation, pp 102-112., Published by the USSR
Academy of Sciences, Moscow, 1952.

AEC-TR-1537

Scientific - Fuels

1297

Titkov, N.I., Varzanov, M.A., and others.
FORAGE AU MOYEN DE DÉCHARGES ÉLECTRIQUES
DANS UN LIQUIDE (Drilling with the Aid of Electrical
Discharges in Liquid). 13p. 4refs. CNRS-XXV 363.
Order from OTS, ETC or CNRS \$0.80 TT-62-26731

Trans. in French of Neftyanoe Khozayaistvo (USSR)
1957, v.35, no.10, p.5-10.
Other translations in English are available from OTS
or SLA \$1.60 as 62-16658, 1962, 12p. and from ATS
as ATS-85J19R, 7p.

DESCRIPTORS: Drills, Rock (Geology), *Mining
engineering, Electric discharges, Liquids, *Electric
currents, Chocks, Electrodes.

(Engineering, TT, v. 11, no. 6)

TT-62-26731

I. Titkov, N.I.
II. Varzanov, M.A.
III. CNRS-XXV 363
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

Expansion of the Envelope of the Sum of Two Decomposition into Fourier Series of a Rounded Sum of Two AM-Oscillations, by A. N. Popov, N. K. Titov, 9 pp, (AF 688265).

Full Tr

RUSSIAN, no per, Radiotekhnika, Vol X, No 8, Aug 1955, pp 22-27.

ATIC F-TS-10067/V

Sci - Electronics
Oct 57

54, 074

On the Sixtieth Birthday Anniversary of I. Kh.
Nevlzhskiy, by N. K. Titov, 3 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol III, No 4,
1958, pp 582-586.

Pergamon Press

Sci - Electron
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